NETWORK GLOBAL EXPECTATION MODEL FOR RAPIDLY QUANTIFYING NETWORK NEEDS AND COSTS

ABSTRACT OF THE DISCLOSURE

5   In the network global expectation model of the present invention, expectation values evaluated over the entire network are used as a multi-moment description of the required quantities of key network and network element (NE) resources and commensurate network costs. The network global expectation model of the present invention naturally and analytically connects

10   the global (network) and local (network element) views of the communication system, and thereby may be used as a tool to gain insight and very quickly provide approximate results for the preliminary evaluation and design of dynamic networks. Further, the network global expectation model of the present invention may serve as a valuable guide in the areas of network

15   element feature requirements, costs, sensitivity analyses, scaling performance, comparisons, product definition and application domains, and product and technology roadmapping.